



A. LECTURE NUMBER: MOS 6154 A.01

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On cover sheet

E. TITLE OF LECTURE: SUPPORT/SPECIAL EQUIPMENT.

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the proper operation and maintenance procedures of shop support/special equipment used on the UH/AH-1 aircraft.

G. INSTRUCTIONAL AIDES:

1. B-1 and B-4 aircraft maintenance platforms.
2. Hydraulic servicing unit.
3. Hydraulic contamination analysis kit.
4. Ground handling wheels.
5. Tow bar.
6. 3 ton aircraft jacks.
7. 5 ton aircraft jacks.
8. Throatless shears.
9. Drill press.
10. Grinder.
11. Brake.
12. Turret punch.
13. Bench shears.

H. REFERENCES:

1. NA 19-600-19-6-1.
2. NA-1A-17.
3. NA 00-15-80T-96.
4. Applicable operators manuals.

I. PRESENTATION:

1. Present the student a thirty-minute lecture on the proper operation and maintenance procedures of support and special equipment used on the UH/AH-1 aircraft.
2. In addition to a thirty minute presentation,
  - a. Read and discuss the pertinent section(s) of reference(s) (1) thru (4).
  - b. Demonstrate the proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The proper operation and maintenance procedures of support and special equipment used on the UH/AH-1 aircraft.

K. Questions and answers:

Ask a minimum of three questions pertaining to the subject of this lesson guide.

LESSON GUIDE NUMBER UH/AH-1 MOS 6154 A.02

## NAME / RANK

A white military helicopter, likely a UH-60 Black Hawk, is shown in profile, facing right. The helicopter has the number '30' on its side and is equipped with various sensors and equipment on its roof. The background is a plain, light blue sky.

A. LECTURE NUMBER: MOS 6154 A.02

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On cover sheet

E. TITLE OF LECTURE: SAFETY PRECAUTIONS AND PROCEDURES AROUND THE AIRCRAFT AND WORKCENTER

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the proper safety precautions and procedures around the UH/AH-1 aircraft and work center.

G. INSTRUCTIONAL AIDES:

1. UH/AH-1 aircraft.
2. Applicable publications.
3. Applicable PPE.

H. REFERENCES:

1. Marine Corps Common Skills Handbook.
2. Wing, group, Squadron NAMSOPS.
3. NA 01-1A-509.
4. NA A1-NAOSH-SAF-000/P5100-1.
5. OSHA 29 CFR 1910.
6. SAF-000/P5100-1.
7. OPNAVINST 4790.2\_.
8. DOD 4140.27-M.
9. NA 01-1A-17.
10. NA 17BAD-1.

I. PRESENTATION:

1. Present the student a thirty-minute lecture on the proper safety precautions and procedures around the UH/AH-1 aircraft and work center.
2. In addition to a thirty minute presentation,
  - a. Read and discuss the pertinent section(s) of reference(s) (1) thru (10).
  - b. Give a thirty-minute practical application exercise.

J. SUMMARY: During this period of instruction we have covered:

1. The proper safety precautions and procedures around the UH/AH-1 aircraft and work center.

K. QUESTIONS:

Ask a minimum of three questions pertaining to the subject of this lesson guide.

# UH/AH-1 MAINTENANCE TRAINING

LESSON GUIDE NUMBER UH/AH-1 MOS 6154 A.03

## AIRCRAFT PUBLICATIONS, DIAGRAMS, SKETCHES AND DRAWINGS

YR/MO/DAY

NAME / RANK

[illegible]

A. LECTURE NUMBER: MOS 6154 A.03

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On cover sheet

E. TITLE OF LECTURE: AIRCRAFT PUBLICATIONS, DIAGRAMS, SKETCHES AND DRAWINGS

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with aircraft publications, diagrams, sketches and drawings used on the UH/AH-1 aircraft.

G. INSTRUCTIONAL AIDES:

1. Applicable publications.

H. REFERENCES:

1. OPNAVINST 4790.2\_.
2. NA 00-25-100.
3. NA 01-1A-8.
4. OSHA 19 CFR 1910.
5. NA A1-NAOSH-SAF-000/P5100-1.
6. NA 15-01-500.
7. NA 15-02-500.
8. NA 01-1A-509.
9. NA 00-80T-96.
10. NA 01-1A-17.
11. NA 01-110HCE-(x)-2.
12. NA 01-H1AAC-(x)-2 .
13. NA 01-110HCE-1.
14. NA 01-H1AAC-1.
15. NA 01-110HCE-(x)-4.
16. NA 01-H1AAC-(x)-4.
17. NA 01-110HCE-(x)-6-(x).
18. NA 01-H1AAC-(x)-6-(x).
19. NA 17-600 series.
20. NA 19-600 series.
21. Applicable ships NATOPS.
22. NA 01-110HCE-3.
23. NA 01-H1AAC-3.
24. NA 01-110HCE-8.
25. NA 01-H1AAC-WUC-800.

I. PRESENTATION:

1. Present the student a thirty-minute lecture on aircraft publications, diagrams, sketches and drawings used for the UH/AH-1 aircraft.
2. In addition to a thirty minute presentation,
  - a. Read and discuss the pertinent section(s) of reference(s) (1) thru (25).
  - b. Give a thirty-minute practical application exercise.

J. SUMMARY: During this period of instruction we have covered:

1. Aircraft publications, diagrams, sketches and drawings used for the UH/AH-1 aircraft.

K. QUESTIONS:

Ask a minimum of three questions pertaining to the subject of this lesson guide.



A. LECTURE NUMBER: MOS 6154 A.04

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On cover sheet

E. TITLE OF LECTURE: PRECISION MEASURING EQUIPMENT (PME)

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with Precision Measuring Equipment (PME) used on the UH/AH-1 aircraft.

G. INSTRUCTIONAL AIDES:

1. Direct pressure gauge.
2. Dial indicator.
3. Force gauge.
4. Torque wrench.
5. Micrometer.
6. Push-pull gauge.
7. Depth micrometer.

H. REFERENCES:

1. NA 01-H1AAC-(x)-2.
2. NA 01-110HCE-(x)-2.

I. PRESENTATION:

1. Present the student a thirty-minute lecture on the proper operation and usage of Precision Measuring Equipment (PME) used for the UH/AH-1 aircraft.
2. In addition to a thirty minute presentation,
  - a. Read and discuss the pertinent section(s) of reference(s) (1) and (2).
  - b. Give a thirty-minute practical application exercise (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. Precision Measuring Equipment (PME) used for the UH/AH-1 aircraft.

K. QUESTIONS:

Ask a minimum of three questions pertaining to the subject of this lesson guide.



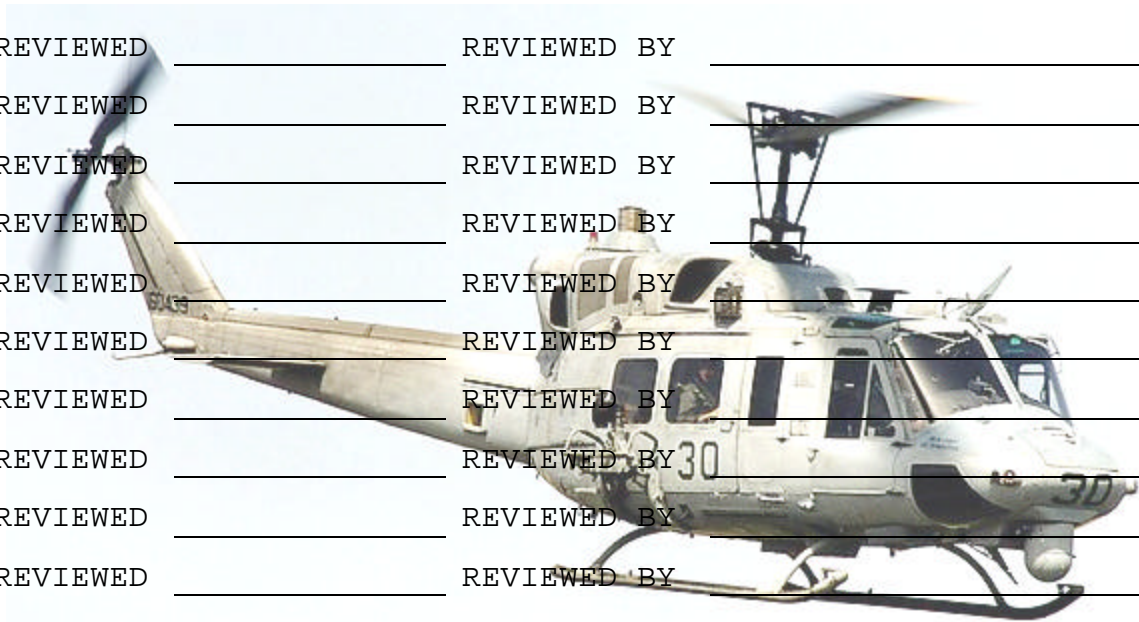
# UH/AH-1 MAINTENANCE TRAINING

LESSON GUIDE NUMBER UH/AH-1 MOS 6154 A.05

## AIRCRAFT HYDRAULIC/PNEUMATIC SYSTEMS

YR/MO/DAY

NAME / RANK

[illegible]

A. LECTURE NUMBER: MOS 6154 A.05

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On cover sheet

E. TITLE OF LECTURE: AIRCRAFT HYDRAULIC/PNEUMATIC SYSTEMS

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with Aircraft hydraulic/pneumatic systems used on the UH/AH-1 aircraft.

G. INSTRUCTIONAL AIDES:

1. UH/AH-1 aircraft.

H. REFERENCES:

1. NA 01-1A-17.

I. PRESENTATION:

1. Present the student a thirty-minute lecture on the theory of operation and principles of aircraft hydraulic/pneumatic systems used on the UH/AH-1 aircraft.
2. In addition to a thirty minute presentation,
  - a. Read and discuss the pertinent section(s) of reference(s) (1).
  - b. Give a thirty-minute practical application exercise (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. Aircraft hydraulic/pneumatic systems used for the UH/AH-1 aircraft.

K. QUESTIONS:

Ask a minimum of three questions pertaining to the subject of this lesson guide.



A. LECTURE NUMBER: MOS 6154 B.01

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On cover sheet

E. TITLE OF LECTURE: TECHNICAL DIRECTIVES CHANGES/BULLETINS

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the purpose and implementation of organizational level technical directives changes/bulletins used on the UH/AH-1 aircraft.

G. INSTRUCTIONAL AIDES:

1. Applicable publications.

H. REFERENCES:

1. OPNAVINST 4790.2\_.
2. NAVAIRINST 5215.10.

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the purpose and implementation of organizational level technical directives changes/bulletins used on the UH-1N aircraft.
2. In addition to a thirty minute presentation,
  - a. Read and discuss the pertinent section(s) of reference(s) (1) and (2).
  - b. Demonstrate the proper procedures for reading and incorporating a technical directive.
  - c. Demonstrate the proper procedures for VIDS/MAF documentation of a technical directive.

J. SUMMARY: During this period of instruction we have covered:

1. The purpose and implementation of organizational level technical directives changes/bulletins used on the UH/AH-1 aircraft.

K. QUESTIONS:

Ask a minimum of three questions pertaining to the subject of this lesson guide.



A. LECTURE NUMBER: MOS 6154 B.02

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On cover sheet

E. TITLE OF LECTURE: CORROSION DETECTION AND CONTROL

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the organizational maintenance level maintenance procedures for corrosion detection and control used on the UH/AH-1 aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft.
2. AH-1W aircraft.
3. Applicable publications.

H. REFERENCES:

1. NA 01-1A-509.
2. NA 17-1-125.

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the organizational level maintenance procedures for corrosion detection and control used on the UH/AH-1 aircraft.
2. In addition to a thirty minute presentation,
  - a. Read and discuss the pertinent section(s) of reference(s) (1) and (2).
  - b. Demonstrate the proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The organizational level maintenance procedures for corrosion detection and control used on the UH/AH-1 aircraft.

K. QUESTIONS:

Ask a minimum of three questions pertaining to the subject of this lesson guide.



A. LECTURE NUMBER: MOS 6154 B.03

B. TIME: 1 HOUR

C. DATE PREPARED: 04 May. 2004

D. DATE REVIEWED: On cover sheet

E. TITLE OF LECTURE: SCHEDULED AND UNSCHEDULED INSPECTIONS

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the organizational maintenance procedures for the scheduled and unscheduled inspections used on the UH-1N aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft.
2. Applicable publications.

H. REFERENCES:

1. NA 01-110HCE-2-1.
2. NA 01-110HCE-6-3.
3. NA 01-110HCE-6-4.
4. NA 15-01-500.
5. OPNAVINST 4790.2

I. PRESENTATION:

1. Present the student a thirty-minute lecture on the scheduled and unscheduled inspections used on the UH-1N aircraft.
2. In addition to a thirty minute presentation,
  - a. Read and discuss the pertinent section(s) of reference (1) thru (5).
  - b. Give a thirty-minute practical application exercise (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. Organizational maintenance procedures for the scheduled and unscheduled inspections used on the UH-1N aircraft.

K. QUESTIONS:

Ask a minimum of three questions pertaining to the subject of this lesson guide.





A. LECTURE NUMBER: MOS 6154 B.04

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On separate sheet

E. TITLE OF LECTURE: FLIGHT CONTROL SYSTEM.

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the theory of operation, functional check, fault isolation and organizational maintenance procedures for the flight control system on the UH-1N aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft
2. Applicable publications

H. REFERENCES:

1. NA 01-110HCE-2-5.

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the theory of operation, functional check, fault isolation and organizational level maintenance procedures for the flight control system used on the UH-1N aircraft.
2. In addition to a thirty minute presentation,
  - a. Read and discuss the pertinent sections of reference(s) (1).
  - b. Demonstrate proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The organizational level maintenance procedures for the flight control system used on the UH-1N aircraft.

K. Questions and answers:

Ask the student(s) a minimum of three questions pertaining to the information covered in the references.



A. LECTURE NUMBER: MOS 6154 B.05

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On separate sheet

E. TITLE OF LECTURE: HYDRAULIC POWER SUPPLY SYSTEMS.

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the theory of operation, functional check, fault isolation and organizational maintenance procedures for the hydraulic power supply systems on the UH-1N aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft
2. Applicable publications

H. REFERENCES:

1. NA 01-110HCE-2-5.
2. NA 01-1A-17.

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the theory of operation, functional check, fault isolation and organizational level maintenance procedures for the hydraulic power supply systems used on the UH-1N aircraft.
2. In addition to a thirty-minute presentation,
  - a. Read and discuss the pertinent sections of reference(s) (1) and (2).
  - b. Demonstrate proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The organizational level maintenance procedures for the hydraulic power supply systems used on the UH-1N aircraft.

K. Questions and answers:

Ask the student(s) a minimum of three questions pertaining to the information covered in the references.



A. LECTURE NUMBER: MOS 6154 B.06

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On separate sheet

E. TITLE OF LECTURE: ROTOR BRAKE SYSTEM.

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the theory of operation, functional check, fault isolation and organizational maintenance procedures for the rotor brake system on the UH-1N aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft
2. Applicable publications

H. REFERENCES:

1. NA 01-110HCE-2-5.

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the theory of operation, functional check, fault isolation and organizational level maintenance procedures for the rotor brake system used on the UH-1N aircraft.
2. In addition to a thirty-minute presentation,
  - a. Read and discuss the pertinent sections of reference(s) (1).
  - b. Demonstrate proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The organizational level maintenance procedures for the rotor brake system used on the UH-1N aircraft.

K. Questions and answers:

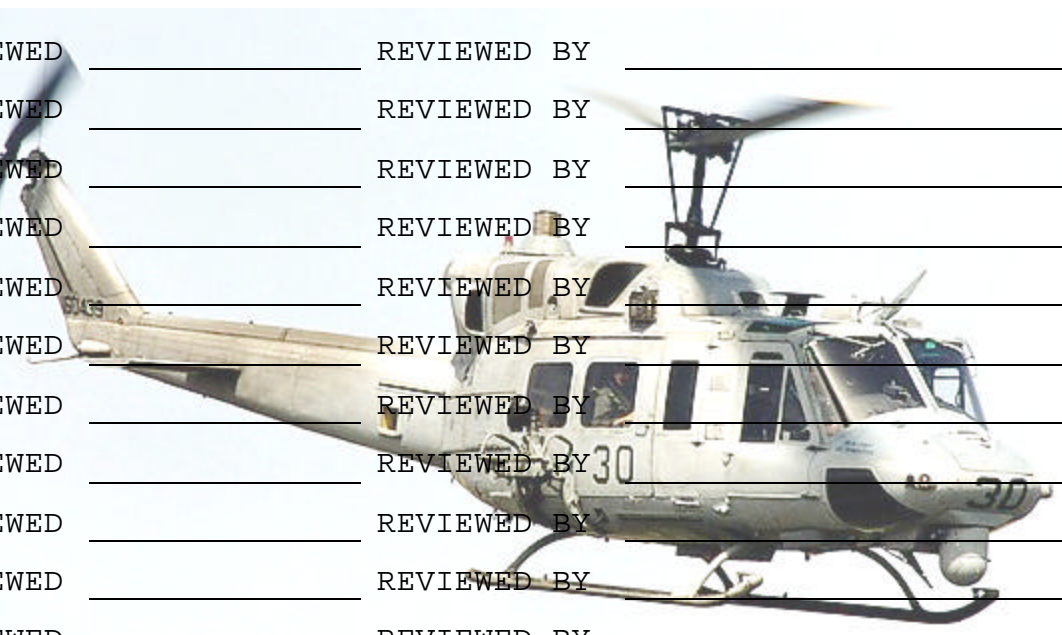
Ask the student(s) a minimum of three questions pertaining to the information covered in the references.

# UH-1N MAINTENANCE TRAINING

LESSON GUIDE NUMBER UH-1N MOS 6154 B.07

## **AUTOMATIC FLIGHT CONTROL SYSTEM/STABILITY & CONTROL AUGMENTATION SYSTEM (AFCS/SCAS)**

	YR/MO/DAY		NAME/RANK
DATE REVIEWED	_____	REVIEWED BY	_____
DATE REVIEWED	_____	REVIEWED BY	_____
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DATE REVIEWED	_____	REVIEWED BY	_____
DATE REVIEWED	_____	REVIEWED BY	_____
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DATE REVIEWED	_____	REVIEWED BY	_____



A. LECTURE NUMBER: MOS 6154 B.07

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On separate sheet

E. TITLE OF LECTURE: AUTOMATIC FLIGHT CONTROL SYSTEM/STABILITY & CONTROL AUGMENTATION SYSTEM (AFCS/SCAS).

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the theory of operation, functional check, fault isolation and organizational maintenance procedures for the Automatic Flight Control System/Stability & Control Augmentation System (AFCS/SCAS) on the UH-1N aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft
2. Applicable publications

H. REFERENCES:

1. NA 01-110HCE-2-5.

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the theory of operation, functional check, fault isolation and organizational level maintenance procedures for the Automatic Flight Control System/Stability & Control Augmentation System (AFCS/SCAS) used on the UH-1N aircraft.
2. In addition to a thirty-minute presentation,
  - a. Read and discuss the pertinent sections of reference(s) (1).
  - b. Demonstrate proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The organizational level maintenance procedures for the Automatic Flight Control System/Stability & Control Augmentation System (AFCS/SCAS) used on the UH-1N aircraft.

K. Questions and answers:

Ask the student(s) a minimum of three questions pertaining to the information covered in the references.





A. LECTURE NUMBER: MOS 6154 B.08

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On separate sheet

E. TITLE OF LECTURE: ORGANIZATIONAL LEVEL MAINTENANCE.

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the theory of operation, functional check, fault isolation and organizational maintenance procedures for organizational level maintenance on applicable systems including the removal, installation, adjustment, and alignment of systems and the repair or replacement on associated components on the UH-1N aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft.
2. Applicable publications.

H. REFERENCES:

1. NA 01-H1AAC-2-2.
2. NA 01-H1AAC-3.
3. NA 01-1A-8.
4. Applicable manufacturers instructions.

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the theory of operation, functional check, fault isolation and organizational level maintenance procedures for the organizational level systems used on the UH-1N aircraft.
2. In addition to a thirty-minute presentation,
  - a. Read and discuss the pertinent sections of reference(s) (1) thru (4).
  - b. Demonstrate proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The organizational level maintenance procedures for associated systems used on the UH-1N aircraft.

K. Questions and answers:

Ask the student(s) a minimum of three questions pertaining to the information covered in the references.



A. LECTURE NUMBER: MOS 6154 B.09

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On separate sheet

E. TITLE OF LECTURE: REQUIRED SCHEDULED/UNSCHEDULED INSPECTIONS.

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the required scheduled and unscheduled inspections on the UH-1N.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft
2. Applicable publications

H. REFERENCES:

1. NA 01-H1AAC-6-3
2. NA 01-H1AAC-6-4
3. NA 01-H1AAC-2-16
4. NA 15-01-500
5. OPNAVINST 4790.2

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the correct procedures and requirements for scheduled and unscheduled inspections on the AH-1W helicopter.
2. In addition to a thirty minute presentation,
  - a. Read and discuss the pertinent sections of reference (1) thru (5).
  - b. Demonstrate proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The correct procedures and requirements for scheduled and unscheduled inspections.

K. Questions and answers:

Ask the student(s) a minimum of three questions pertaining to the information covered in the references.



A. LECTURE NUMBER: MOS 6154 B.11

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On separate sheet

E. TITLE OF LECTURE: FLIGHT CONTROL SYSTEM.

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the theory of operation, functional check, fault isolation and organizational maintenance procedures for the flight control system on the AH-1W aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft
2. Applicable publications

H. REFERENCES:

1. NA 01-H1AAC-2-5

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the theory of operation, functional check, fault isolation and organizational level maintenance procedures for the flight control system used on the AH-1W aircraft.
2. In addition to a thirty minute presentation,
  - a. Read and discuss the pertinent sections of reference(s) (1).
  - b. Demonstrate proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The organizational level maintenance procedures for the flight control system used on the AH-1W aircraft.

K. Questions and answers:

Ask the student(s) a minimum of three questions pertaining to the information covered in the references.



A. LECTURE NUMBER: MOS 6154 B.11

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On separate sheet

E. TITLE OF LECTURE: HYDRAULIC POWER SUPPLY SYSTEM.

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the theory of operation, functional check, fault isolation and organizational maintenance procedures for the hydraulic power supply system on the AH-1W aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft.
2. Applicable publications.

H. REFERENCES:

1. NA 01-H1AAC-2-8.
2. NA 01-H1AAC-2-9.
3. NA 01-1A-17.

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the theory of operation, functional check, fault isolation and organizational level maintenance procedures for the hydraulic power supply system used on the AH-1W aircraft.
2. In addition to a thirty-minute presentation,
  - a. Read and discuss the pertinent sections of reference(s) (1) thru (3).
  - b. Demonstrate proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The organizational level maintenance procedures for the hydraulic power supply system used on the AH-1W aircraft.

K. Questions and answers:

Ask the student(s) a minimum of three questions pertaining to the information covered in the references.





A. LECTURE NUMBER: MOS 6154 B.12

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On separate sheet

E. TITLE OF LECTURE: ROTOR BRAKE SYSTEM.

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the theory of operation, functional check, fault isolation and organizational maintenance procedures for the rotor brake system on the AH-1W aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft.
2. Applicable publications.

H. REFERENCES:

1. NA 01-H1AAC-2-8.

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the theory of operation, functional check, fault isolation and organizational level maintenance procedures for the rotor brake system used on the AH-1W aircraft.
2. In addition to a thirty-minute presentation,
  - a. Read and discuss the pertinent sections of reference(s) (1).
  - b. Demonstrate proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The organizational level maintenance procedures for the rotor brake system used on the AH-1W aircraft.

K. Questions and answers:

Ask the student(s) a minimum of three questions pertaining to the information covered in the references.

# AH-1W MAINTENANCE TRAINING

LESSON GUIDE NUMBER AH-1W MOS 6154 B.13

## STABILITY & CONTROL AUGMENTATION SYSTEM (SCAS)

NAME / RANK

[illegible]

A. LECTURE NUMBER: MOS 6154 B.13

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On separate sheet

E. TITLE OF LECTURE: STABILITY & CONTROL AUGMENTATION SYSTEM (SCAS).

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the theory of operation, functional check, fault isolation and organizational maintenance procedures for the Stability & Control Augmentation System (SCAS) on the AH-1W aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft.
2. Applicable publications.

H. REFERENCES:

1. NA 01-H1AAC-2-5.

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the theory of operation, functional check, fault isolation and organizational level maintenance procedures for the Stability & Control Augmentation System (SCAS) used on the AH-1W aircraft.
2. In addition to a thirty-minute presentation,
  - a. Read and discuss the pertinent sections of reference(s) (1).
  - b. Demonstrate proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The organizational level maintenance procedures for the Stability & Control Augmentation System (SCAS) used on the AH-1W aircraft.

K. Questions and answers:

Ask the student(s) a minimum of three questions pertaining to the information covered in the references.

# AH-1W MAINTENANCE TRAINING

LESSON GUIDE NUMBER AH-1W MOS 6154 B.14

## ARTICULATING PYLON SYSTEM (TOW PYLON ACTUATOR)

NAME / RANK

[illegible]

A. LECTURE NUMBER: MOS 6154 B.14

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On separate sheet

E. TITLE OF LECTURE: ARTICULATING PYLON SYSTEM (TOW PYLON ACTUATOR).

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the theory of operation, functional check, fault isolation and organizational maintenance procedures for the Articulating pylon system (TOW pylon actuator) on the AH-1W aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft.
2. Applicable publications.

H. REFERENCES:

1. NA 01-H1AAC-2-8.

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the theory of operation, functional check, fault isolation and organizational level maintenance procedures for the Articulating pylon system (TOW pylon actuator) used on the AH-1W aircraft.
2. In addition to a thirty-minute presentation,
  - a. Read and discuss the pertinent sections of reference(s) (1).
  - b. Demonstrate proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The organizational level maintenance procedures for the Articulating pylon system (TOW pylon actuator) used on the AH-1W aircraft.

K. Questions and answers:

Ask the student(s) a minimum of three questions pertaining to the information covered in the references.



A. LECTURE NUMBER: MOS 6154 B.15

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On separate sheet

E. TITLE OF LECTURE: VIBRATION SUPPRESSION SYSTEM (VSS).

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the theory of operation, functional check, fault isolation and organizational maintenance procedures for the Vibration Suppression System (VSS) on the AH-1W aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft.
2. Applicable publications.

H. REFERENCES:

1. NA 01-H1AAC-2-8.

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the theory of operation, functional check, fault isolation and organizational level maintenance procedures for the Vibration Suppression System (VSS) used on the AH-1W aircraft.
2. In addition to a thirty-minute presentation,
  - a. Read and discuss the pertinent sections of reference(s) (1).
  - b. Demonstrate proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The organizational level maintenance procedures for the Vibration Suppression System (VSS) used on the AH-1W aircraft.

K. Questions and answers:

Ask the student(s) a minimum of three questions pertaining to the information covered in the references.



## ORGANIZATIONAL LEVEL MAINTENANCE

NAME / RANK

[illegible]

A. LECTURE NUMBER: MOS 6154 B.16

B. TIME: 1 HOUR

C. DATE PREPARED: 01 May 2004

D. DATE REVIEWED: On separate sheet

E. TITLE OF LECTURE: ORGANIZATIONAL LEVEL MAINTENANCE.

F. OBJECTIVE: The objective for this period of instruction is to introduce and familiarize the student with the theory of operation, functional check, fault isolation and organizational maintenance procedures for organizational level maintenance on applicable systems including the removal, installation, adjustment, and alignment of systems and the repair or replacement on associated components on the AH-1W aircraft.

G. INSTRUCTIONAL AIDES:

1. UH-1N aircraft.
2. Applicable publications.

H. REFERENCES:

1. NA 01-H1AAC-2-2.
2. NA 01-H1AAC-3.
3. NA 01-1A-8.
4. Applicable manufacturers instructions.

I. PRESENTATION:

1. Present the student a thirty-minute classroom lecture on the theory of operation, functional check, fault isolation and organizational level maintenance procedures for the organizational level systems used on the AH-1W aircraft.
2. In addition to a thirty-minute presentation,
  - a. Read and discuss the pertinent sections of reference(s) (1) thru (4).
  - b. Demonstrate proper procedures on the aircraft (as practical).

J. SUMMARY: During this period of instruction we have covered:

1. The organizational level maintenance procedures for associated systems used on the AH-1W aircraft.

K. Questions and answers:

Ask the student(s) a minimum of three questions pertaining to the information covered in the references.